PCT	For	receiving Office use only			
	International Application	on No.			
REQUEST	International Filing Da	10			
	International Printer Da	IC .			
The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"				
	Applicant's or agent's file reference (if desired) (12 characters maximum) 77674 HD/Ve				
Box No. I TITLE OF INVENTION					
Case-hardening of stainless steel					
•	n is also inventor				
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen	he address indicated in this	Telephone No + 45 45 25 22 50			
Danmarks Tekniske Universitet - DTU		Facsimile No + 45 45 25 22 08			
Ledelsessekretariatet	·	Teleprinter No			
Bygning 101 A DK-2800 Kgs. Lyngby					
DENMARK		Applicant's registration No with the Office			
State (that is, country) of nationality: DENMARK	State (that is, country) DENMARK	of residence:			
This person is applicant for the purposes of:	he United States the States indicated in the Supplemental Box				
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	<u>`</u>				
Name and address: (Family name followed by given name, for a legal ent. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence.	he address indicated in this	This person is:			
SOMERS, Marcel A.J.		applicant and inventor			
Ville Heise Park 37 DK-3450 Allerød		inventor only (If this check-box			
DENMARK		is marked, do not fill in below)			
		Applicant's registration No. with the Office			
State (that is. country) of nationality:	State (that is. country)	of residence:			
Per 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	THE NETHERLANDS DENMARK This person is applicant all designated all designated States except the United States indicated in				
for the purposes of: States the United St	tates of America	of America only the Supplemental Box			
Further applicants and/or (further) inventors are indicated on a continuation sheet					
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE					
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	as:	agent common representative			
Name and address: (Family name followed by given name, for a legal enti The address must include postal code and name of co		Telephone No + 45 33 15 45 14			
CHAS. HUDE A/S H.C. Andersens Boulevard 33		Facsimile No. + 45 33 15 45 35			

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent Form PCT/RO/101 (first sheet) (March 2001; reprint January 2003)

DK-1780 Copenhagen V

DENMARK

See Notes to the request form

Teleprinter No

Agent's registration No. with the Office

rect	Nα	

Continuation of Box No. III FURTHER APPLICANT(S) A	Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)					
If none of the following sub-boxes is used, this sheet should not be included in the request						
Name and address: (Family name followed by given name, for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence. CHRISTIANSEN, Thomas Dalgas Have 44B, 2. sal, Lej. C DK-2000 Frederiksberg DENMARK	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below) Applicant's registration No. with the Office					
State (that is. country) of nationality: DENMARK	State (that is, country) of residence:				
This person is applicant all designated all designated	States except	the United States the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name, for a legal emit, The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence MØLLER, Per Rishave Park 20 Græsted DK-3230 Esrum DENMARK	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked. do not fill in below) Applicant's registration No with the Office				
State (that is, country) of nationality: DENMARK	State (that is, country, DENMARK) of residence:				
	States except tes of America	the United States of America only the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name, for a legal entity full official designation The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below) Applicant's registration No, with the Office						
State (that is: country) of nationality:	State (that is, country,	l) of residence:				
This person is applicant all designated all designated for the purposes of:	States except ales of America	the United States the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name, for a legal entity, full official designation The address must include postal code and name of country. The country of the address indicated in this Bux is the applicant's State (that is, country) of residence if no State of residence is indicated below) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below) Applicant's registration No with the Office						
State (that is, country) of nationality: State (that is, country) of residence:						
This person is applicant all designated all designated States except the United States of America of America only the States indicated in the United States of America only the Supplemental Box						
Further applicants and/or (further) inventors are indicated on another continuation sheet.						

Form PCT/RO/101 (continuation sheet) (March 2001; reprint January 2003)

Sheet No. .3...

В	ox No	. V DESIGNATION OF STATE	s	Mark the applicable check-boxes below	w, a	leas	st one must be marked.
TI	The following designations are hereby made under Rule 4.9(a):						
R	egion	ial Patent					
ı	_	ARIPO Patent: GH Ghana, G SL Sierra Leone, SZ Swaziland, T State which is a Contracting State	Z Unit	mbia, KE Kenya, LS Lesotho, MV ed Republic of Tanzania, UG Uganda, e Harare Protocol and of the PCT (if c	ZM other	Zar kin	nbia, ZW Zimbabwe, and any other dof protection or treatment desired,
⊠	EA			erbaijan, BY Belarus, KG Kyrgyzstan, M Turkmenistan, and any other State			
×	EP	Republic, DE Germany, DK Denr IE Ireland, IT Italy, LU Luxembo	nark, I urg, M	ium, BG Bulgaria, CH & LI Switzerlar EE Estonia, ES Spain, FI Finland, FR IC Monaco, NL Netherlands, PT Portu a Contracting State of the European P	Fra igal,	nce, SE	GB United Kingdom, GR Greece, Sweden, SI Slovenia, SK Slovakia,
X	OA	GA Gabon, GN Guinea, GQ Equa TD Chad, TG Togo, and any other	torial State	nin, CF Central African Republic, CC Guinea, GW Guinea-Bissau, ML Ma which is a member State of OAPI and on dotted line)	li, N a Co	IR N	Mauritania, NE Niger, SN Senegal, cting State of the PCT (if other kind
N.	ıtion-	al Patent (if other kind of protection	n or tro	catment desired, specify on dotted line):			
		United Arab Emirates			120	N7	New Zealand
_		Antigua and Barbuda		R Croatia			
				U Hungary			
		Armenia			_		Poland
				L Israel			
				N India			
		Azerbaijan					Russian Federation
				P Japan			
		Barbados		E Kenya		SC	Seychelles
K	BG 1	Bulgaria	⊠ĸ	G Kyrgyzslan	X	SD	Sudan
		Brazil	⊠ ĸ	P Democratic People's Republic	X		Sweden
X	BY :	Belarus		of Korea	X	SG	Singapore
X	BZ :	Belize	XI K	R Republic of Korea	X	SK	Slovakia and utility model
X	CA	Canada		Z Kazakhstan			
X	CH &	& LI Switzerland and Liechtenstein	X L	C Saint Lucia	X	TJ	Tajikistan
X	CN	China	⊠ L	K Sri Lanka	X	TM	Turkmenistan
×	CO (Colombia		R Liberia		TN	Tunisia
		Costa Rica	\boxtimes L	S Lesotho			Turkey
X	CU (Cuba and utility Czech Republic model	⊠ L	F Lithuania	X	TT	Trinidad and Tobago
K	CZ	Czech Republic model		U Luxembourg			
X	DE (Germany and utility model	M L	V Latvia	X	TZ	United Republic of Tanzania
\mathbf{x}	DK 1	Denmark and utility model	M	A Morocco			Ukraine
X	DM I	Dominica	⊠ M	D Republic of Moldova	X	UG	Uganda
		Algeria	_		X	US	United States of America
		Ecuador		G Madagascar			
_		Estonia and utility model	⊠ M	K The former Yugoslav Republic of	X	UZ	Uzbekistan
		Spain	-	Macedonia	_		
X		Finland and utility model		N Mongolia			Viet Nam
×		United Kingdom	_				Yugoslavia
_		Grenada					South Africa
		•		Z Mozambique			
	GH (Ghana	KT N	O Norway	IXI	ZW	Zimbabwe
Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet: NI= Nicaragua SY= Syrian Arab Republic							
Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)							

Form PCT/RO/101 (second sheet) (January 2003)

Sheet No.	4	

Box No. VI PRIORITY CLAIM					
The priority of the following	carlier application(s) is here	by claimed:			
Filing date					
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office	
ilem (1) 16 July 2002 (16.07.2002)	PA 2002 01108	DENMARK			
item (2) 5 August 2002 (05.08.2002)	US 60/401,215	USA			
item (3)					
item (4)					
item (5)					
Further priority claims	are indicated in the Suppleme	ental Box			
The receiving Office is reque if the earlier application was a above as:	ested to prepare and transmit filed with the Office which for	to the International Bureau the purposes of this interna	a certified copy of the entional application is the re	earlier application(s) (only eceiving Office) identified	
all items item (1) [item (2) [item (3) item	(4) item (5)	other, see Supplemental Box	
Industrial Property or one Me	on is an ARIPO application. in ember of the World Trade Or	ndicate at least one country ganization for which that e	party to the Paris Conve varlier application was file	ntion for the Protection of ed (Rule 4 10(b)(ii))	
Box No. VII INTERNAT	IONAL SEARCHING AUT	THORITY			
Choice of International Sea international search, indicate ISA / EP	reching Authority (ISA) (if r the Authority chosen; the two	wo or more International S -letter code may be used):	earching Authorities are	competent to carry out the	
Request to use results of ea	rlier search; reference to t	hat search <i>(if an earlier se</i>	earch has been carried on	t by or requested from the	
International Searching Author Date (day/month/year)	ority) Numb	per Coun	atry (or regional Office)		
Box No. VIII DECLARATIONS					
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration): Number of declarations					
Box No VIII (i) Declaration as to the identity of the inventor :					
Box No VIII (ii)	Box No VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :				
Box No VIII (iii)	Box No VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :				
Box No VIII (iv)	Declaration of inventorship United States of America)		I the designation of the	: 2	
Box No VIII (v)	Declaration as to non-preju	udicial disclosures or exce	ptions to lack of novelty	:	

Form PCT/RO/101 (third sheet) (July 2002; reprint January 2003)

Sheet No

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America) The declaration must conform to the following standardized wording provided for in Section 214. see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No.VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv))

for the purposes of the designation of the United States of America:
I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.
This declaration is directed to the international application of which it forms a part (if filing declaration with application).
This declaration is directed to international application No. PCT/ (if furnishing declaration pursuant to Rule 26ter).
I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.
I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.
Prior Applications:

I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.
Name: SOMERS, Marcel, A.J.
Residence: Ville Heise Park 37, DK-3450 Allerød, DENMARK (city and either US state, if applicable, or country) Mailing Address: Ville Heise Park 37, DK-3450 Allerød, DENMARK
Citizenship: Danieh Duttch Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the inventor, not that of the international application) Date: 23/C - 2003 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
Name: CHRISTIANSEN, Thomas
Residence: Dalgas Have 44B, 2. sal, Lej. C, DK-2000 Frederiksberg, DENMARK (city and either US state, if applicable, or country)
Mailing Address: Dalgas Have 44B, 2, sal, Lej. C, DK-2000 Frederikeberg, DENMARK
Citizenship: Danish Inventor's Signature: Citizenship: Date: 23/6-20c'3 (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Citizenship: Date: 23/6-20c'3 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

Form PCT/RO/101 (declaration sheet (iv)) (March 2001; reprint January 2003)



Continuation of Box No. VIII (i) to (v) DECLARATION

If the space is insufficient in any of Boxes Nos VIII (i) to (v) to furnish all the information, including in the case where more than two inventors are to be named in Box No VIII (iv). in such case, write "Continuation of Box No. VIII..." (indicate the item number of the Box) and furnish the information in the same manner as required for the purposes of the Box in which the space was insufficient. If additional space is needed in respect of two or more declarations, a separate continuation box must be used for each such declaration If this Box is not used, this sheet should not be included in the request

should not be included in the request	•		-	
Continuation of Box No VI	III (iv)			
Name: MØLLER, Per				
Residence: Rishave Park	20, Græsted, DK-3230	Esrum, D	ENMARK	
Mailing address: Rishave	Park 20, Græsted, DK-3	3230 Esru	m, DENMARK	
Citizenship: Danish	_			
Inventor's Signature:	Theh	Date:	23/6-2003	
•				

Form PCT/RO/101 (continuation sheet for declaration) (March 2001; reprint January 2003)

		_	
Sheet	NI _	•	
NPPI	ועה	,	

Box No. IX CHECK LIST; LANGUAGE OF FILING					
This international application contains: (a) in paper form, the following number of sheets:	This international application is accompanied by the followin item(s) (mark the applicable check-boxes below and indicate in right column the number of each item)				
request (including declaration sheets) : 7	fee calculation sheet original separate power of attorney	:			
description (excluding	3. original general power of attorney				
sequence listings and/or	4. copy of general power of attorney; reference number				
tables related thereto) : 12 claims : 2	if any:	•			
abstract : 1	5. statement explaining lack of signature	:			
drawings : 2	6. Triority document(s) identified in Box No. VI as item(s):	4			
Sub-total number of sheets: 24 sequence listings:	7. translation of international application into (language):				
tables related thereto : (for both, actual number of	separate indications concerning deposited microorgal or other biological material				
sheets if filed in paper form, whether or not also filed in	9. sequence listings in computer readable form	•			
computer readable form; see (c) below)	(indicate type and number of carriers) (i) □ copy submitted for the purposes of international se	arch under			
Total number of sheets : 24	Rule 13ter only (and not as part of the internationa (ii) (only where check-box (b)(i) or (c)(i) is marked in left	(column)			
(b) only in computer readable form (Section 80!(a)(i))	additional copies including, where applicable, the purposes of international search under Rule 13ter	copy for the :			
(i) sequence listings (ii) tables related thereto	 (iii) together with relevant statement as to the identity of copies with the sequence listings mentioned in left 	of the copy or column :			
(c) also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence l (indicate type and number of carriers)	istings			
(i) ☐ sequence listings	(i) copy submitted for the purposes of international se Section 802(b-quater) only (and not as part of the i	arch under international			
(ii) tables related thereto	application)	:			
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	 (ii) (only where check-box (b)(ii) or (c)(ii) is marked in leadditional copies including, where applicable, the purposes of international search under Section 802 	ft calumn) copy for the (b-auater)			
sequence listings:					
tables related thereto: copies with the tables mentioned in left column :					
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	TI LS Other (specify).				
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English	<u> </u>			
Box No. X SIGNATURE OF APPLICAN'	, AGENT OR COMMON REPRESENTATIVE				
Next to each signature, indicate the name of the person sig	ning and the capacity in which the person signs (if such capacity is not obvious	, , , , , , , , , , , , , , , , , , , 			
Danmarks Tekniske Universitet		cerstrecum			
//m/ /////	Marcel A.J. Somers Thomas Christiansen				
Visit acceptant	- 18th				
VICE RECTOR KNUT CONRADOR	Per Møller				
	For respiring Office use only				
Date of actual receipt of the purported	— For receiving Office use only	2. Drawings:			
international application:					
3 Corrected date of actual receipt due to later b	ut	received:			
timely received papers or drawings complete the purported international application:	ng				
Date of timely receipt of the required corrections under PCT Article 11(2):		not received:			
5 International Searching Authority (if two or more are competent): ISA / 6. Transmittal of search copy delayed until search fee is paid					
	For International Bureau use only				
Date of receipt of the record copy by the International Bureau:					
·					

Form PCT/RO/101 (last sheet) (January 2003)